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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO	
10/616,735	07/10/2003	Erik Nilsen	34003.77	34003.77 2759	
7	7590 02/03/2006		EXAMINER		
David L. McCombs			PHAN, THIEM D		
Attorney for Applicants Haynes and Boone, LLP			ART UNIT	PAPER NUMBER	
901 Main Street, Suite 3100			3729		
Dallas, TX 75202-3789			DATE MAILED: 02/03/2006		

Please find below and/or attached an Office communication concerning this application or proceeding.

			$\mathcal{C}_{\mathcal{D}}$
	Application No.	Applicant(s)	
	10/616,735	NILSEN ET AL.	
Office Action Summary	Examiner	Art Unit	
	Tim Phan	3729	
- The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence ad	dress
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period was realized to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim rill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this ∝ D (35 U.S.C. § 133).	
Status			
 1) Responsive to communication(s) filed on <u>02 Descention</u> 2a) This action is FINAL. 2b) This 3) Since this application is in condition for alloware closed in accordance with the practice under Expression. 	action is non-final. nce except for formal matters, pro		e merits is
Disposition of Claims			
4) Claim(s) 1-14 and 28-40 is/are pending in the a 4a) Of the above claim(s) is/are withdray 5) Claim(s) is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) 1-14,28-40 are subject to restriction a	vn from consideration.		
Application Papers			
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) access Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex	epted or b) objected to by the l drawing(s) be held in abeyance. Sec ion is required if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 CF	
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in Applicati rity documents have been receive u (PCT Rule 17.2(a)).	ion No ed in this National	Stage
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal F 6) Other:	ate	O-152)

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DETAILED ACTION

Election/Restrictions

- Applicants' election of Group I, Claims 1-14, filed on 8/08/05 is acknowledged.
 Since Applicants' Amendment (filed 12/02/05) has added new claims (Claims 28-40),
 which then necessitate new ground of Restriction presented in this Office action.
- 2. Restriction to one of the following inventions is required under 35 U.S.C. 121:
 - I. Claims 1-14 and 28-37, drawn to a method of manufacturing a microcomponent assembly, classified in class 29, subclass 611;
 - II. Claims 38-40, drawn to an alternative method of manufacturing a microcomponent assembly, classified in class 29, subclass 840.

Inventions II and I are related as combination and subcombination. Inventions in this relationship are distinct if it can be shown that (1) the combination as claimed does not require the particulars of the subcombination as claimed for patentability, and (2) that the subcombination has utility by itself or in other combinations (MPEP § 806.05(c)). In the instant case, the combination as claimed does not require the particulars of the subcombination as claimed because the method of manufacturing a microcomponent assembly as recited in Group II

does not require a second contact area for first microcomponent thereof, as required by Group I.

The subcombination, Invention I, has separate utility such as forming one or two sets of contacts between the two microcomponents having first and/or second contact areas.

3. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art because of their recognized divergent subject matter, restriction for examination purposes as indicated is proper.

Because these inventions are distinct for the reasons given above and the search required for Group I is not required for Group II, restriction for examination purposes as indicated is proper.

4. A telephone call was made to the office of Dave R. Hofman (972-739-8630) on 2/01/06 to request an oral election to the above restriction requirement, but did not result in an election being made.

Applicants are advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Applicants are reminded that upon the cancellation of claims to a non-elected invention,

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the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tim Phan whose telephone number is 571-272-4568. The examiner can normally be reached on M - F, 9AM - 5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Peter Vo can be reached on 571-272-4690. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Tim Phan Examiner Art Unit 3729

tp February 01, 2006 A. DEXTER TUGBANG PRIMARY EXAMINER